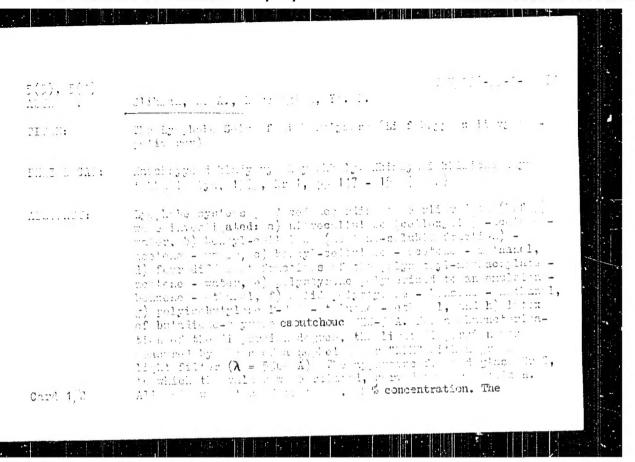
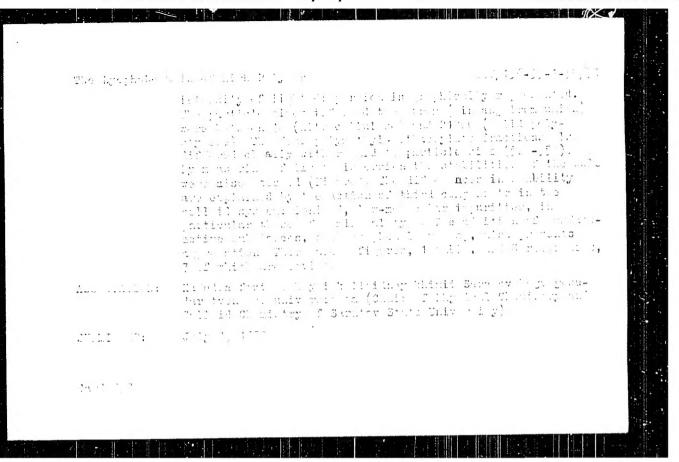
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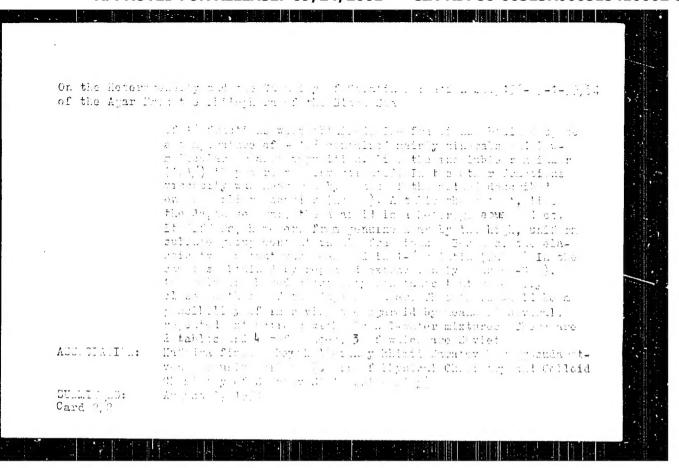
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237/69-21-1-4/21 5(4) Glikman, S.A. and Shubtsova, T.G. AUTHORS: Posearch on the physical Chemistry of Agar (Issledc-vaniya v oblasti fiziko-khimii agara) 3.0n the Factors TITLE: bet rmining the Viscoelastic Properties of Agar Gels. (5.0 faktorakh coredelyayushchikh uprugo-vyazkiye svoystva agarovykh studney). Molloidnyy zhurnal, 1959, Vol AMI, Nr 1, pp 25-29 (UMBR) PLRIUDICAL: The authors describe the results of research into the viscoelastic properties of gels of agar fractions ob-ABSTRACT: thined by successive extraction under increasing temp ratures. All viscoelastic constants of the gels $(\mathbb{E}_1,\mathbb{E}_2,\mathbb{F}_k,\mathbb{I})$ and \mathbb{F}_2 increase parallelly with an increasing intrinsic viscosity, decreasing the 30_{μ} content, and increasing the $0a/30_{\mu}$ ratio. The change in the gel-forming capacity of specimens of equal sulfoester group content, freed of metal cations by electrodialysis, corresponds to the changes in intrinsic Card 1/2

201/83-21-1-4/21

Research on the Physical Chemistry of Agar. 5. n the Pheters Determining the Viscoelastic Properties of Agar 191s.

visco ity. The main factor determining the viscoclastic properties of tol. is the degree of polymerization of the polyelectrolyte. The presence of an ionizing sulfo-ester group leads to a loosening of the intermolecular bonds. The calcium ions aid in the formation of bridge links. The following scientists are mentioned by the authors: F.K.Favlov, Man. Engel'shteyn, V.P. Pryuner, D.V. Veronyen, S. Ya. Veyler, F.A. Rebinder, J. Ta. Bhal't, V. L. Markovich, O. G. Tefremova, and Ye. Te. Jegalova. There are 2 tables. 3 graphs and 17 references, 8 of which are Soviet and 9 unidentified.

A 55 Claffon: Baratovskiy gosudarstvennyy universitet imeni N.G. Chernyshevskogo (The Saratov State University imeni N.G. Chernyshevskiy)

SUBMITTED: Card 2/2

March 6, 1957

s/081/61/000/003/017/019 A166/A129

AUTHORS:

Korchagina, Ye. P., Glikman, S. A.

TITLE

The structure and drying rate of butadiene-styrene rubber strip

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 3, 1961, 570, abstract 3P283.

(Uch. zap. Saratovsk un-ta, 1959, v. 71, 5 - 11)

The specific surface (Ssp) of the rubber strip was determined according to adsorption from an aqueous solution of "crystalline violet" (I). [Abstracter's note: Subscript sp (specific) is a translation of the original y (udel'naya)] Ssp ~0.6 m²/g and depends only slighly on the type of rubber (CKC-304 [SKS-30A] or CKC-30 [SKS-30]) or coagulant (NaCl, MgCl₂ or CaCl₂). Van Boemmelen's exsistator CKC-30 [SKS-30]) method was used to determine the strip's equilibrium moisture content (Weg). [Abstracter's note: Subscript eq (equilibrium) is a translation of the original p (ravnovesnaya)]. When NaCl is used W_{eq} first increases slightly then rapidly with a rise in the relative vapor pressure (p/p_r) . [Abstracter's note: Subscript (relative is a translation of the original (otnositel'noye)]. Where CaCl₂ is used this bend is more marked and occurs at a higher p/p_r ; it is preceded by a plateau due to the absence of medium diameter pores. The nature of the coagulum does not af-

Card 1/ 2

KATIBNIKOV, M.A.; YERMOLENKO, I.N.; SOMOVA, A.I.; YEFREMOVA, O.G.; GLIKMAN, S.A.

Spectroscopic study of cellulose ethers. Part 1: Applicability of spectral methods to the characterization of photochemical conversions in ethylcellulose. Vysokom. soed. 2 no. 12:1805-1810 D 160. (MIRA 14:1)

1. Saratovskiy gosudarstvennyy universitet im. N.G. Chernyshevskogo; Institut obshchey i neorganicheskoy khimii AN BSSR. (Cellulose--Spectra)

GLIKMAN, S.A.; KORCHAGINA, Ye.P.; SEV'YANTS. L.L.

Studies of the molecular interaction in solutions of polymers by their conversion to colloidal systems. Vysokom.so.ed. 3. no.3: 353-358 Mr '61.

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskego (Polymers) (Molecular association)

ECSYREVA, I.E.; GLIEMAN, 5.A.

Nature of solutions and gels of carboxynethylcelluloss.

//ysokom.soed. 3 no.10:1584-1500 0 '61. (MIRA 14:9)

1. Suratovskiy gesudarstvennyy universitet imeni N.G

Chernyshevskego. (Cellulose)

GLIKMAN, S.A., AVERTYANOVA, V.M., KHOMUTOVA, L.I.

Mechanical properties and structure of acetyl cellulose spinning solutions.

Report presented at the 13th Conference on High-molecular compounds.

Moscow, 8-11 Oct 62.

\$/069/62/024/006/006/009 B101/B180

AUTHORS:

Klenin, V. I., Rybakova, I. D., Glikman, S. A.

TITLE:

Particle shape and dimensions in colloidal solutions of

cellulose esters

PERIODICAL: Kolloidnyy zhurnal, v. 24, no. 6, 1962, 696-701

TEXT: The particle size of sols obtained by mixing solutions of nitrocellulose (NC) and acetyl cellulose (AC) with precipitants (water for the NC, and methanol for the AC) were measured by nephelometry using the method of R. Burberg (Z. Naturforsch., 11a, 807, 1956). In agreement with P. Debye's theoretical curve (J. Phys. u. Colloid. Chem., 51, 18, 1947) the AC particles were found to be spherical. In agreement with A. Dobry (J. Chem. Phys. 47, 402, 1950) the mean radius of the NC particles was close to 200 Å. The dependence of the NC particle size on the initial

close to 200 A. The dependence of the NC particle size on the initial concentration of the NC solution as stated by S. A. Glikman, Ye. P. Korchagina (Nauchn. dokl. vyssh. shkoly, Khimiya i khim. tekhnologiya, 1, 147, 1959) was examined and found to be correct. The same applies to the

Card 1/2

Particle shape and dimensions in ...

\$/069/62/024/006/506/009 B101/B180

size of AC particles (non-fractionated specimen and 15 fractions), which increased with the molecular weight of AC. In low-molecular, highly esterified fractions, however, a deviation from this rule could be observed. Extrapolation of the function $\overline{a_{7}} = f(c_{init})$, where $\overline{a_{7}}$ is the particle

radius, showed that $\overline{a}_{\tau} \sim 200$ Å. There are 4 figures and 1 table.

ASSOCIATION: Saratovskiy universitet, Laboratoriya fiziki i knimil

polimerov (Saratov University, Laboratory of Polymer Physics

and Chemistry)

SUBMITTED:

September 20, 1961

Card 2/2

CIA-RDP86-00513R000515410002-3" APPROVED FOR RELEASE: 09/24/2001

"APPROVED FOR RELEASE: 09/24/2001 CIA-RD

CIA-RDP86-00513R000515410002-3

TSAPKO, A.S., oty.red.: GLIEMAN, J.A., doktor khim. nauk, prof., red.; GEMP, k.P., st. nauchn. sotr., red.; GRYUNER, V.S., doktor tekhn. nauk, red.; DANILOV, S.N., red.; YEVTUSHENKO, V.A., kand. khim. nauk, red.; ZINOVA, A.L., kand. biol. nauk, red.; KIZEVETTER, 1.V., doktor tekhm. nauk, red.; KIZEVEVA, K.S., kand. biol. nauk, red.; VULIKHMAN, M.A., red.; FOTEKHIN, L.F., red.

[Transactions of the First All-Union Conference of Workers in the Algal Industry of the U.S.S.R.] Trudy Pervogo V.e-soiuznogo nauchno-tekhnicheskogo soveshchania po voderoslevoi promyshlennosti SSSR. Arkhangel'sk, Arkhangel'skoe knizhnoe izd-vo. Vol.1. 1962. 214 p. (MIRA 17:12)

1. Vsesoyuznoye soveshchaniye rabetnikov vodoroslevcy promychlennosti SSSR. lst. 2. Chlen-korrespondent AN SSSR (for Danilov). 3. Vsesoyuznyy nauchnyy institut morskogo rybnogo khozyaystva i okeanografii (for Kireyeva). 4. Machelinik Upravleniya rybnoy promychlennosti Arkhangeliskogo sovnarkhoza (for TSapko). 5. Saratovskiy gosudarstvennyy universiteta im. N.G.Chernyshevskogo (for Glikman).

SHUBTSOVA, I.G.; DMITRIYEVA, T.S.; SCHASTNEV, V.B.; GLIRMAN, S.A.

Intrinsic viscosity of pectin. Vysokom.sped. 5 no.1s135-138

Ja '63. (MIRA 16:1)

1. Saratovskiy gosudarstvennyy universitet im. N.G.

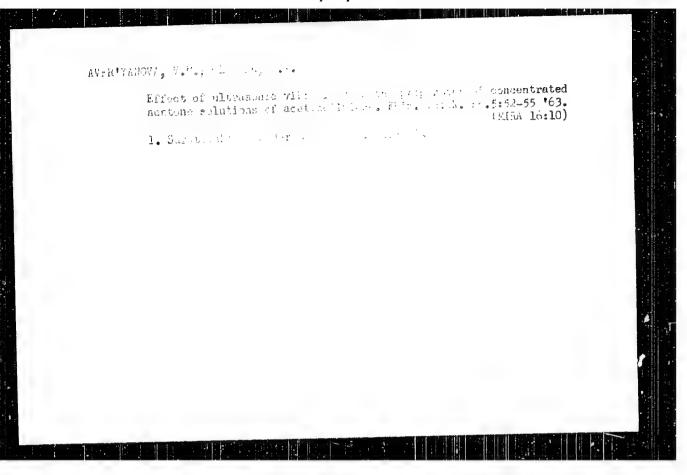
Chernyshevskogo.

(Pectin) (Viscosity)

GLIKMAN, S.A.; SHUBTSOVA, I.G.; KLISHINA, S.A.; ZAYTSEVA, N.M.

Optimum acidity of pectin gels. Izv.vys.ucheb.zav.; pishch. tekh.
no.3:83-87 '63.

1. Saratovskiy gosudarstvennyy universitet, kafedra fizicheskoy
khimii polimerov. (Pectin)



GLIKMAN, S.A.; USHAKOV, S.N.; KORCHAGINA, Ye.P.; LAVRENTYEVA, Ye.N.

Certain properties of iodopolyvinyl alcohol gels. Dokl.
AM SSSR 154 no.2:372-374 Ja*64. (MIRA 17:2)

1. Institut vysokomolekulyanykh soyedineniy AN SSSR i
Suratovskiy gosudarstvennyy universitet im. N.G. Chernyshevskogo. 2. Chlen-korrespondent AN SSSR (for Ushakov).

DMITRIYEVA, T.S.; EORGHAGINA, Ye.F.; GLEMAN, G.A.

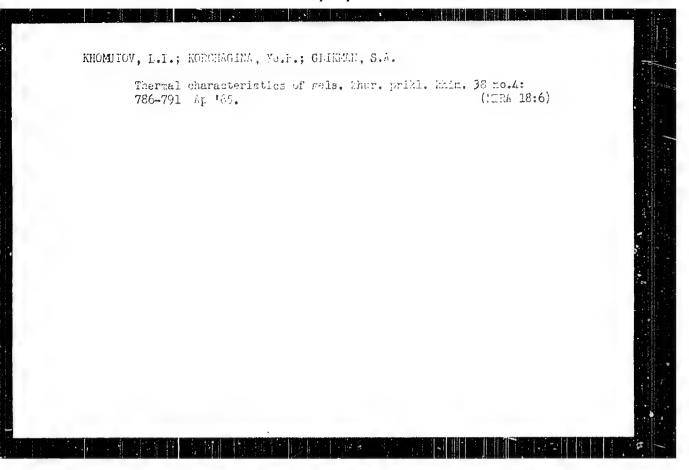
Effect of some factors on the structure of polyvinyl alcohol solutiona. Khim. volok. no.2:15-1F '65. (MIGA 18:6)

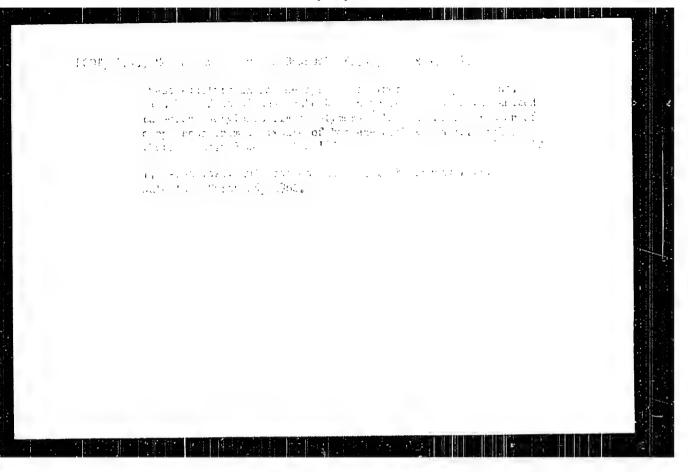
1. Saratovskiy gosudarstvennyy universitet.

GEMBITSKIY, L.S.; GLIKMAN, S.A.

Dynamic and optical processies of acetyl celluloae cels in benzyl elochol. Koll. Flur. 27 no.2:172-177 Mr.Ap 165.
(MRA 19:4)

1. Saratovskiy universitys, Fafedra fizike-khimii polimerov.

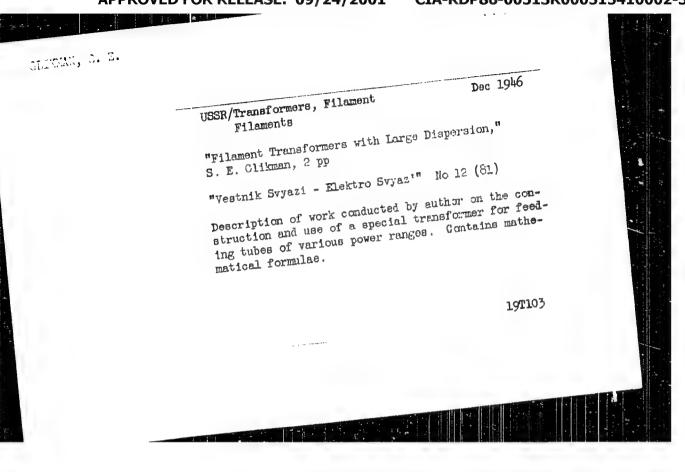


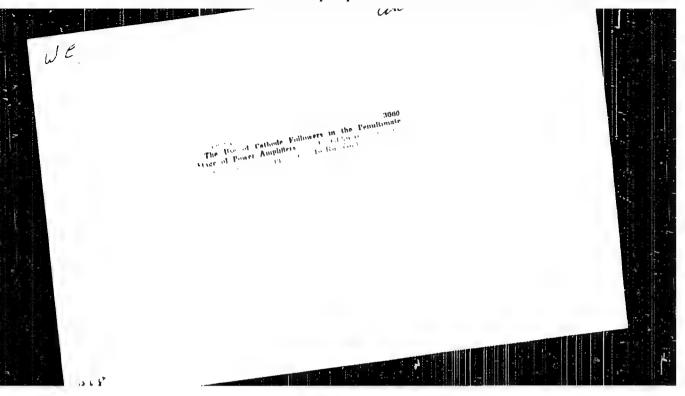




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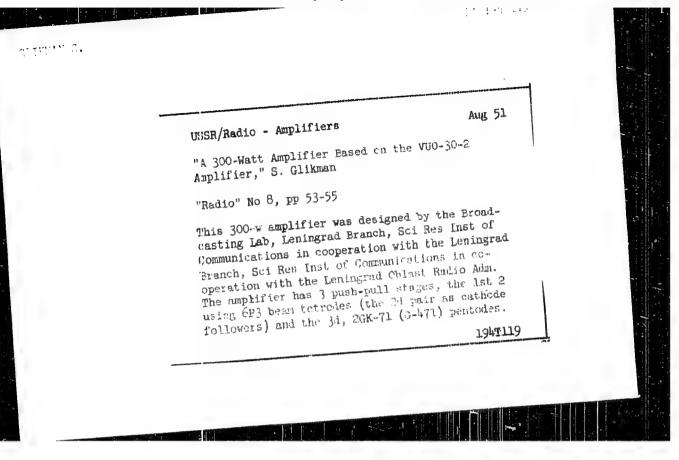
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"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410002-3



- 1. GLIKMAN, S.
- 2. USCR (600)
- 4. Amilifiant, Terra -Tre-
- 7. Two-klowett amplifier on a 700-500 base, Radio, No. 11, 1952,

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

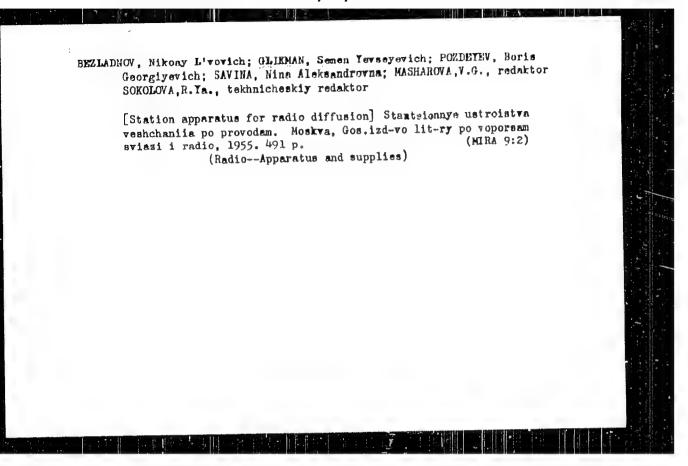
EYLENKRIG, A.I.; GLIMAN, S.Ye.; GROZNOVA, V.I., rodaktor; KORUZEV, N.N., tekhnicheskiy redaktor.

[Modulation equipment for amplitude modulation transmitters] Modulationnye ustroistyn: dlia peredatchiket amplitudnei modulatsici.

Moskva, Izd-vc "Sovetskoe redio," 1954. 239 p. (MIRA 3:4)

(Redio--Transmitters and transmission)

USSR/ Electronics - Amplification systems Card 1/1 Pub. 133 - 5/23 & Glikman, S. E., Senior Engineer of LONIIS (Leningrad Branch of the Authors Research Institute of the Ministry of Communication) Title a Intermediate-frequency amplification systems of nondifferential type (also called 'negative resistance' or "feedback' type) Periodical : Vest. svyazi 11, 10 - 12, Nov 1954 Abstract : The theory of amplification systems designed on the principle of signal attenuation by means of negative impedance or feedback is expounded, and block diagrams illustrating the general layout of these systems are presented. Methods for obtaining negative impedance in a system operating "in series" and in a "parallel type" system, are discussed, and formulas for determining the corresponding amplification factors are developed. The practical application of the above-mentioned theory for decreasing the attenuation in telephone communication lines is demorited. Diagrams; graph. Institution: Submitted:



USSR/ Electronics - Amplifiers

Card 1/1 Pub. 133 - 2/19

Authors : Farafonov, L. S., Chief, LONIIS (Leningrad Branch of the Research Institute for Communications) Laureate of the Stalin Prize; and Glikman,

S. E., Senior Engineer of LONIIS

TITLE , Application of "non-differential" type amplifiers (also called "feed-

back" type amplifiers) in city telephone networks

Periodical : Vest. svyazi 1, 3 - 4, Jan 1955

Abstract

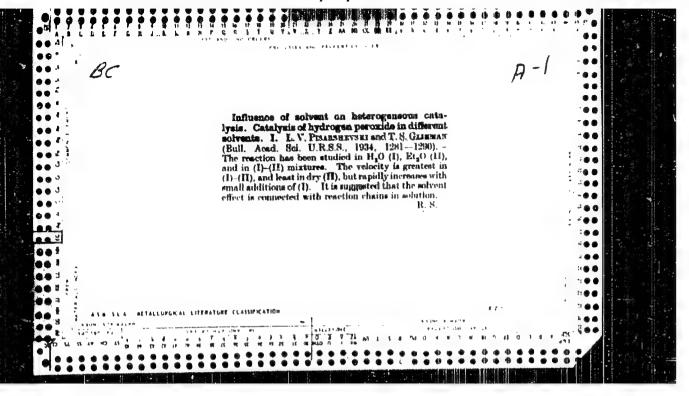
An analysis is made of the principles of non-differential type of amplifiers as set forth in a previous article by S. E. Glikman entitled, "Intermediate-Frequency Amplification Systems of Non-Differential Type" (Vest. svyazi 11, 1954). The value of amplification obtained with

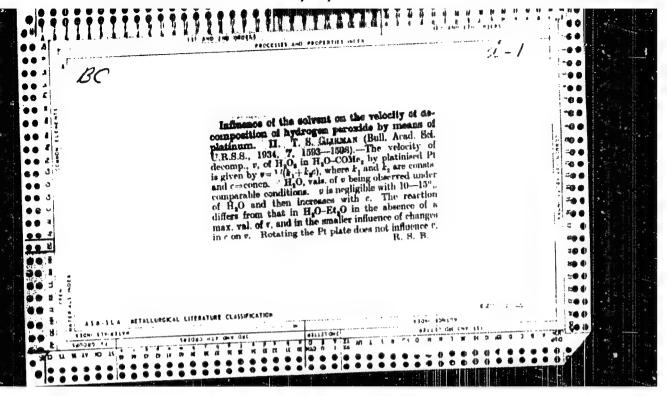
a non-differential type of amplifiers, for different cases of attenuation in telephone lines, is demonstrated, and recommendations are made for the practical application of these amplifiers in telephone networks. The desirable position of amplifiers in the network is indicated in respect.

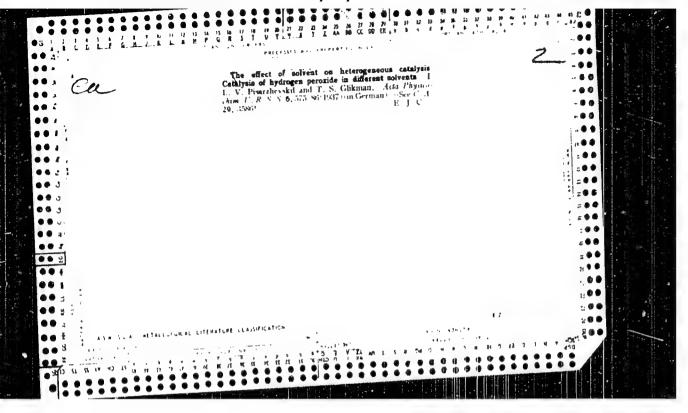
ive block-diagrams. Grains; diagrams.

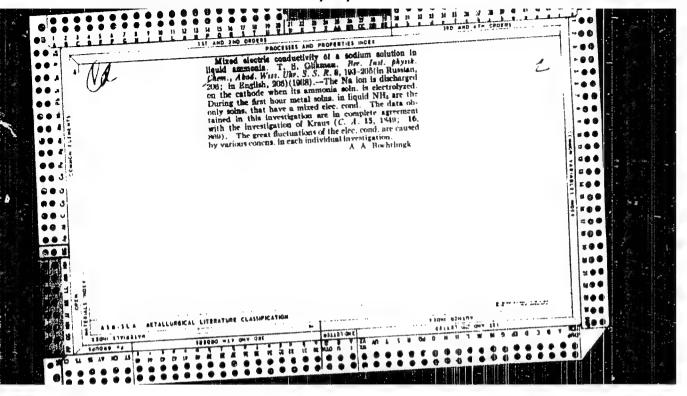
Institution:

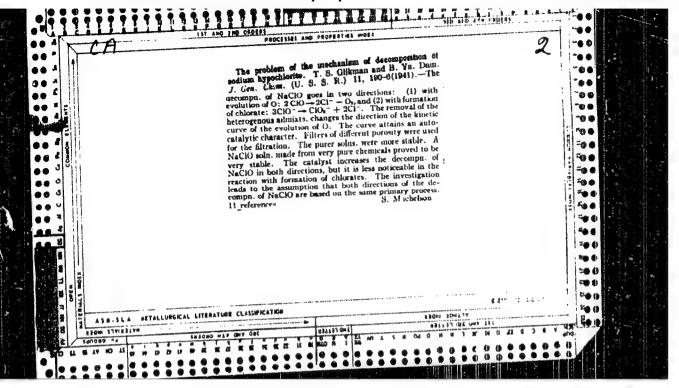
Submitted:

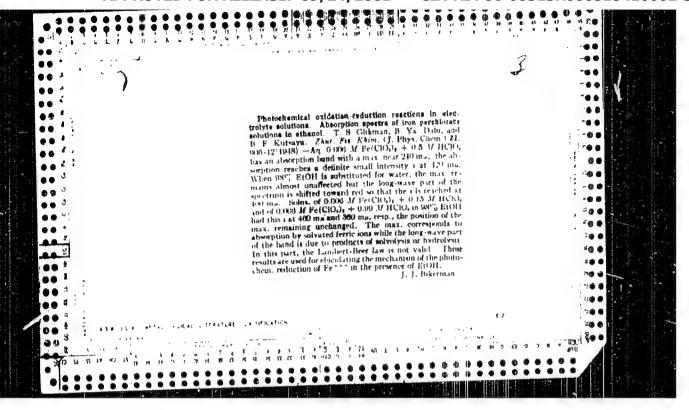


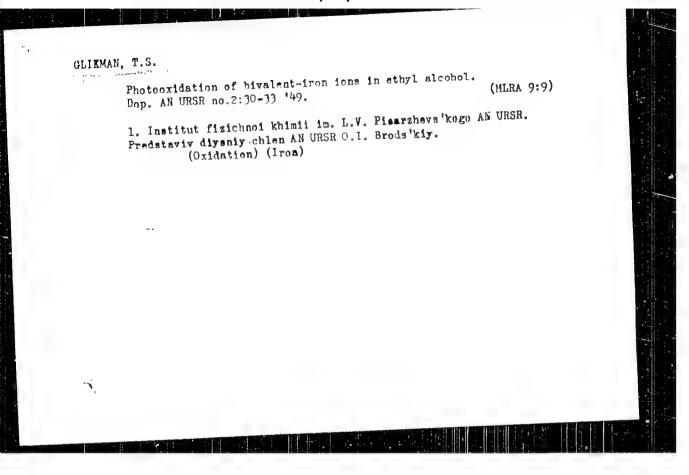










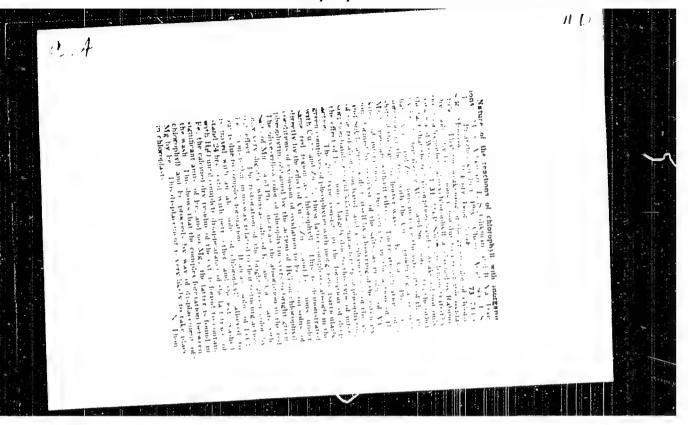


MIKKER, T. C. i. ESTOAYA, B. F.

2F236

Vliyardye Rustvorityelya na soyektry elyektronno.ro Pyenyenosa ionov
Tryeknyalyentnogo Enyelyeza, TKR. KI. zmurnal, T. XV. HTP. 2, 1967, s. 22126.

Sol. LEMBTIC MO. 36



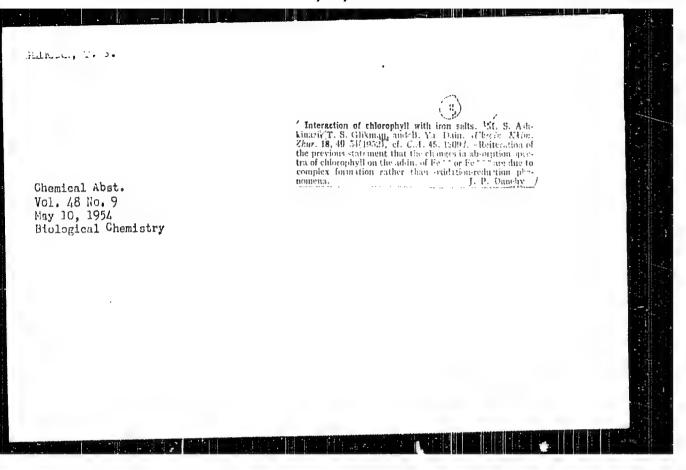
ASHKINAZI, M.S.; GLIKMAH, T.S.; ABRAMOVA, T.M.

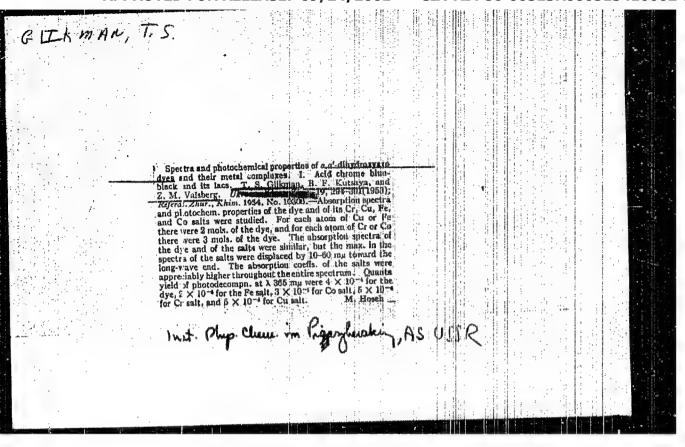
Effect of inorganic ions on absorption spectra of calpropayll.

Ikr.khim.zhur.17 no.2:176-180 '51. (MIRA 9:9)

1.Institut fizicheskoy khimii AH USSR.

(Ions) (Calprophyll--Spectra)





"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515410002-3

Gunnary, Tar

USSR/ Chemistry - Physical chemistry

Card 1/1

Pub. 116 - 10/24

Authors

Glikman, T. S., and Podlinyayeva, M. Ye.

Title

About dark and photochemical reactions in the decomposition of water with a complex ion of iron(3)-o-phenanthroline

Periodical :

Ukr. khim. zhur. 21/2, 211-214, 1955

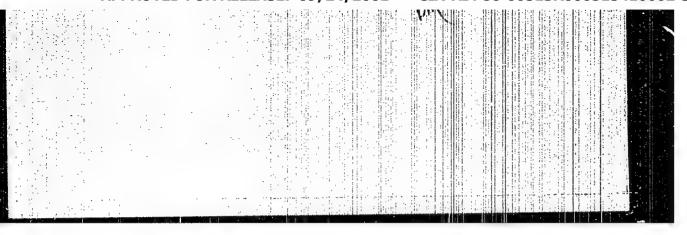
Abstract

Comparative investigations were conducted to determine the behavior of aqueous iron(3)-o-phenanthrolinesulfate solutions in conditions of total darkness and under the effect of light quanta. It is shown that the instability of the complex iron(3)-o-phenanthroline ion is connected with the process of its reduction which was observed as being slow in that darkness and much faster under the effect of light. The active light quanta corresponding to the absorption band for the complex ion were established at 595 mm. The role of the reducing agent in dark and photochemical processes is explained. Four references: 2 USSR, 1 USA and 1 German (1898-1953). Graphs.

Institution: Acad. of Sc., Ukr. SSR, The L. V. Pisarzhevskiy Inst. of Phys. Chem.

Submitted: July 9, 1954

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515410002-3



5(3) AUTHORS: Glikmen, T. S., Podlinyayeva, M. fe . S.N.79-29-6-4/72

Dain, B. Ya.

TITLE:

Spectrophotometric Investigation of Reversible and Irreversible Conversions of Sulfophthalocyarine of Iron (III) in Aqueous Solution (Spektrofotometricheskoye issledovaniye obratimykh i neobratimykh prevrashcheniy sul'foftalotsianina

zheleza (III) v vodnom rastvore)

PERIODICAL:

Zhurnal obshchey khimii, 1969, Vol 29, 4r 5, pp 1785-1793

(USSR)

ABSTRACT:

The phthalocyanines belong to the small number of dyes which resemble, as to their structure the natural pigments of the porphyrin class. In that connection many scientists tried to use these compounds as model of these pigments (Ref 1) in order to investigate more thoroughly the compounds of this kind if they are not combined with proteins. In this regard the iron phthalocyanines were of special interest; they are closely related with the nemins the part of which in the biological redox processes is well-known. The sulfonated derivatives of these dyes which are readily soluble in water show a number of interestire poculiarities which are based

Card 1,3

Spectrophotometric Investigation of Reverbible and 10.7/19-29-6-4/76 Irreversible Conversions of Sulfophthelocymans of Iron (III) in Aqueous Solution

on the fact, that they are capable of reversible ont irreversible reactions in the dark and especially in the light. Since the solutions of the sulf-mated derivatives of the iron-phthalocyanine are intensely colored the spectrophotometric method is most suitable for their investigation In this paper the results of this spectrophotometric invest: gation of aqueous solutions of these compounds, and of the conversions taking place in them are described. It was found that the aqueous solutions of the ferri-sulfo-phthalocyanine (III) represent systems in the state of a hydrolytic equilibrium. The hydroxide of the ferri-phthalocyanine (III) which is formed on hydrolysis is unstable and decomposes slowly and yields ferro-sulfophthalocyanine (II) and the free hydroxyl Exposure to light accelerates this process. The formation of free radicals on standing of the solutions of ferri-sulfo-phthalocyanine ('II) which had been outgassed in the vacuum was confirmed by introduction of polymerication chains. The spontaneous decomposition of the hydroxide is the cause of the land both wior of the agreeous solutions

Card 2/3

Spectrophotometric Investigation of Reversible and 307/79-29-6-4/72 Irreversible Conversions of Sulfophthalocyanine of Irox. (III) in Aqueous Solution

of sulfophthalocyanine of the trivalent iron and the cause of their slow decelerization in the air. There are a figures and 12 references, 3 of which are Soviet.

ASSOCIATION: Institut

Institut fizicheskoy khimii Akademii nauk Ukrainskoy 63R

(Institute of Physical Phonistry of the Academy of

Sciences, Ukrainskaya SSR)

SUBMITTED:

May 12, 1958

Card 3/3

69846

5.2620

Card

1/2

\$/051/60/008/03/034/038

E201/E191

AUTHORS: Glikman, T.S., and Barvinskaya, Z.L.

TITLE: A Spectrophotometric Investigation of the Interaction

between Phthalocyanine and Ferric Chloride

PERIODICAL: Optika i spektroskopiya, 1960, Vol 8, Nr 3,

pp 425-426 (USSR)

ABSTRACT: The authors report the results of a spectrophotometric

investigation of chemical interaction of several chlorides

with phthalocyanine in non-aqueous and water-free solvents. Addition of an excess of ferric chloride

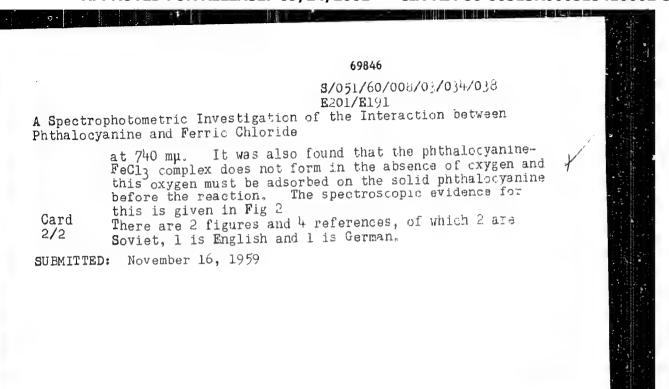
anhydride (FeCl3) to a solution of phthalocyanine without a metal in a-chloro- and a-bromo-naphthalene reduced the intensity of the bands characteristic of phthalocyanine

and produced a new band at 750 mm. These changes indicate formation of a complex consisting of phthalo-

cyanine and ferric chloride. This complex is destroyed by the addition of 7-10% water. Addition of FeCl₂ or SnCl₂ anhydrides to a solution of phthalocyanine in a-chloro-

naphthalene also leads to formation of a complex with a maximum at 750 mm. When dry HCl is added to the same

solution of phthalocyanine an absorption maximum appears



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Po-li/Pr-li EWT(m)/EPF(c)/T/EWP(j) L 260655655 8/0081/64/000/013/8009/5009 ACCESSION NR: AR4046484 SOURCE: Ref. zh. Khimiya, Abs. 13858 AUTHOR: Glikman, T. S.; Barvinskaya, Z. L.; Meleshevich, TITLE: The nationic polymerization of 9-vinylanthracane and the affect of light and ionizing radiation on this process. I. Polymerination of 9. Vilylanthracele in the presence of stannic chloride CITED SOURCE: Sb. Vy sokomolekul, soyedineniya. Karbotsepn vy sokomolekul, soyedineniya. M., AN SSSR, 1963, 144-149 TOPIC TAGS: cationic polymerication, polymerization catalyst, vioylanthracene polymerization, stannic chloride, polymerization kinetics, active complex TRANSLATION: The authors investigated the polymerization of 9-vinylanthracen formation in benzene solution in the presence of SnCl4 and found that addition of SnCl4 to a 9-vinylanthracene solution changes the absorption curve of the latter, these changes being reversible. The intensity of the bands appearing only in the presence of SnCi4 (at 233 and 260 m/) decreases with increasing temperature,

L 26065-65

ACCESSION NR: AR4048484

while a decrease in temperature restores the original curve. The authors suggest that an unstable intermediate is formed from the interaction of the datalyst and the monomer, and that this intermediate then initiates the polymerization process. The decrease in the concentration of this complex with increasing temperature explains the negative temperature coefficient of the polymerization reaction which was observed experimentally. At catalyst concentrations > 0.1 mole/g, the rate of polymerization increases proportionally to the SnCl4 concentration. At lower catalyst concentrations, the curve relating rate to concentration shows a shallow maximum. The authors assume that the catalyst consists of molecules of SnCl4 in varying degrees of hydration, the activity of which dadresses in the order: SnCl4·2H₂O > SnCl4·H₂O > SnCl4. The rate of polymerization is proportional to the 1.5 power of the monomer concentration. Authors abstract

SUB CODE: OC, GC

ENCL: 00

Card 2/2

5/620/63/148/003/033/037 B101/B186

AUTHORS:

Chehegolov, I. ... teg mev. 4. V., Glikman, T. S., Dain, V. Ya.

TITLE

enotogical large values alcal reduction of silver perchlorses in the aresonable of highest substance

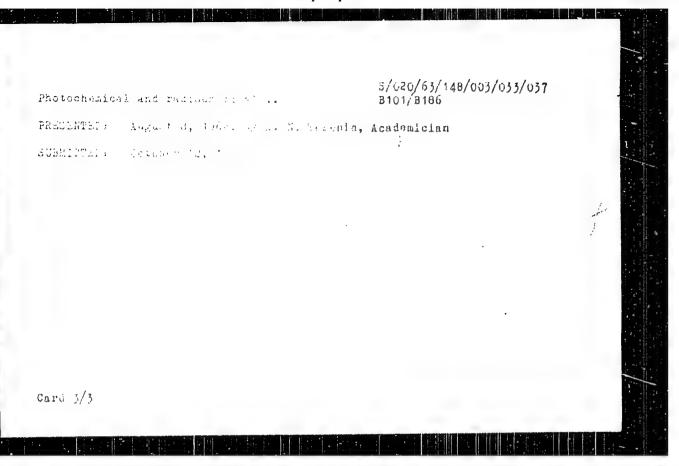
FERIODICAL: Akadesiya besk find. Dester, v. 148, no. 3, 1905, 633 - 636

TEXT: Experiments with selver two derate were carried out in order to clarify whether the efficient of organic admixtures on photochemical and radiochemical processes has any common fort the. 0.055 M ${\sf AgClO}_A$ in water was

irradiated by a mercury vapor lamp; the first photochemical decomposition of water was prevented by a filter with c.62 M NaOH. Further, AgClO4 of the

same concentration was innealing the operation, dose 5.6.10 6 ev/ml.sec. Before the experiments the substrant were baseded with argon. Wethanol, ethanol, butanol, ethylene glycol, glycerol, ... i area were used as admixtures in concentrations of up to 5 M. It was found that even small admixtures of organic substances reduced by both under UV and x-ray irradiation. This reduction increased with increasure concentration of the admixture, but only slowly at concentrations higher than 1 %. The yield G was calculated for Card 1/3

5/020/63/148/063/033/637 Photochemical and rector, because, . . B101/3186 Ag radiolysis; and the amount h of Ag 'destons' formed in 30 min was calculated for the photoles — see proportional to the quantum yield. The tollowing values were fire for any more later admixture; methanol, G = 7.6, $L = 6.5 \cdot 10^{-3}$; etheroi, $\beta < 0.5$, $\beta < 0.5$, $\beta < 0.5$; butanol, G = 6.3, $L = 5.1 \cdot 10^{-3}$; ethylene plys 1. . a s.s. . a discholing vigoerol, G = 5.0, L = 5.5.10 3; urea, G=2.6, $L=1.0\cdot 10^{-2}$. Consistence: Irradiation excites the Ag^{+} ion. The admixtures act as spaces; v direct scatact between silver ion and donor is not necessary; the electron transfer may be effected via the E₂O molecules along a chain of I bonds are, o render. The parallelism chaerved between radiolysis and photolysis. Desta that, in the former too, it is not only the solvent radioals that are important but also the excitation of the silver ion. There are 2 digar a and 4 table. The most important English-language reference is: E. J. Bart, J. Am. Chem. Boo., 81, 6085 (1959); 82, 4775 (1960). ASSOCIATION: Institut finishermay anguing to L. V. Pisarzhevskogo Akademii nauk USSR [Institute of Physical Chemistry imeni L. V. Pistrolovskiy of the Lemberry of Sciences UhrSSR) Card 2/3



GIKMAN, T.S.; KALIMARCHUK, V.A., EGRHOVGKAYA, V.P.

Effect of the admixtures of iron salts on the processes of photolysis and rediclysis of hydroxy acids. Zhur. ob. win.
25 no.9:1530-1534 S '65. (MIRA 18:10)

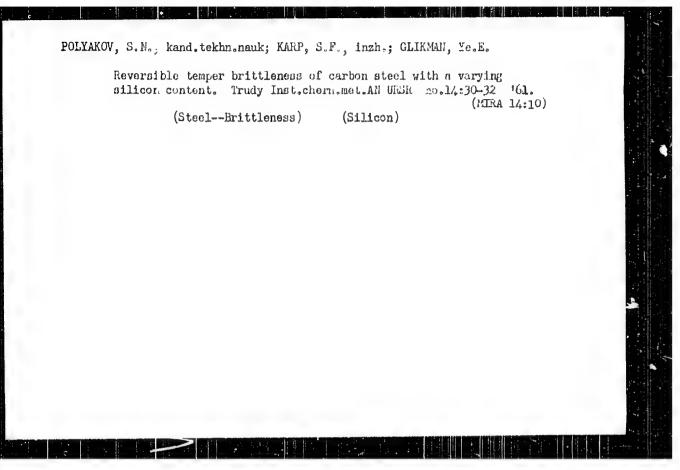
1. Institut fizicheskoy khimil imeni L.V. Fisarzhevskogo AH UkrSSR.

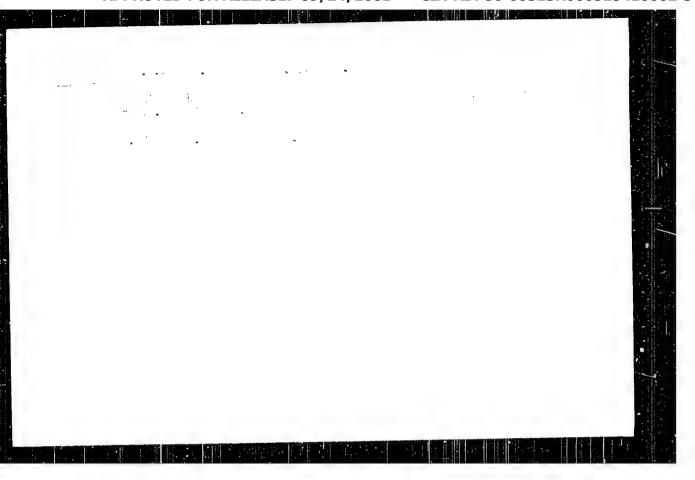
POLYAKOV, S.N., kanc., tekhn.nauk; GLIKMAN, Ye,E.

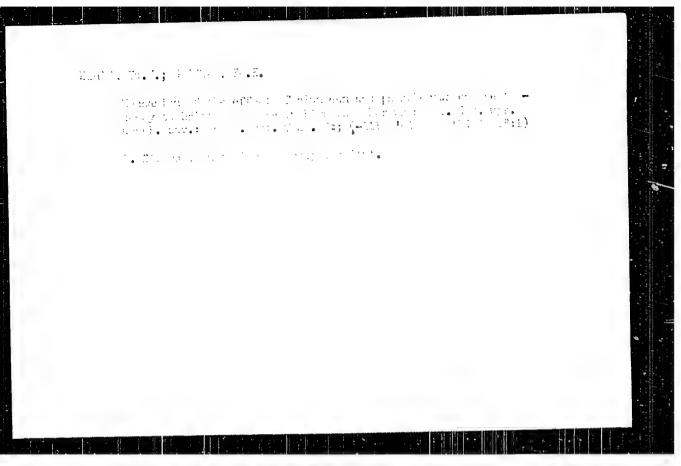
Investigating reversible temper brittleness in carbon steel by physical methods. Trudy Inst, chern.met.AN UESE no.14:15-23 [6].

(MICA 14:10)

(Steel...brittleness) (Phase rule and equilibrium)







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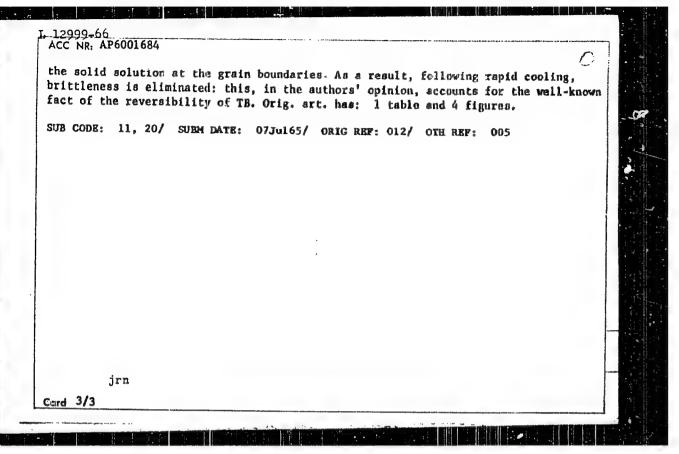
L 12999-66 EUT(:n)/EUP(w)/T/EUP(t)/EUP(b)/EWA(c) JD/JW SOURCE CODE: UR/0148/65/000/012/0101/0107 AUTHOR: Grdina, Yu. V.; Glikman, Ye. E.; Piguzov, Yu. V. ORG: Siberian Metallurgical Institute (Sibirskiy metallurgicheskiy institut); Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov) TITLE: Study of reversible temper brittleness of steel 16.55 SOURCE: IVUZ. Chernaya metallurgiya, no. 12, 1965, 101-107 TOPIC TAGS: reversible temper byittleness, brittleness, steel, internal friction, phosphorus, metal grain structure ABSTRACT: The discovery (M. G. Lozinskiy, A. Ye. Fedorovskiy, Izvestive AN SSSR, OTN, 6, 1958, and others) of the relationship between internal friction and the processes of the embrittlement of technically pure steels during tempering (450-550°C) still leaves unclarified the mechanism of the phenomenon of reversible temper brittleness (TB). In this connection, the authors investigated internal friction in five steels with distinct proneness to temper brittleness, by mounting wire specimens (diameter 0.8 mm, length 100 mm) in a relaxation oscillator. Internal friction was measured overa temperature range from room temperature to 600°C at a frequency of 1.1 cps, whereupon isothermal embrittlement was carried out in the oscillator's furnace for 8-12 hr; after cooling to room temperature the internal friction of the embrittled specimens Card 1/3 UDG: 669.011.7

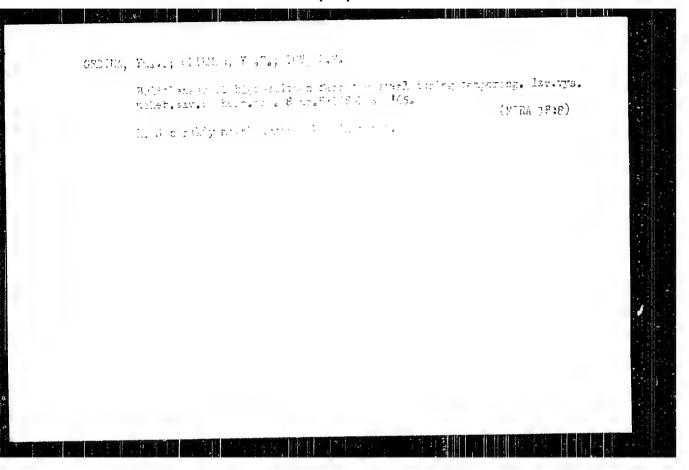
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ACC NR: AP6001684

was determined over the 20-600°C range. A definite correlation was established between proneness to TB and the variation in internal friction. In the phosphorus-free steel for which tempering at 530°C leads to a rise in the threshold of cold brittleness and intensification of the etchability of boundaries in picric acid, the internal friction background increases, whereas in the phosphorus-containing steels (0.032-0.05% P) the internal friction background decreases: this change may be attributed to the enrichment of grain boundaries with P, an enrichment that is of adsorptional nature. The other alloy elements in the steels (Mn, Ni, Si) do not affect TB: brittleness develops even in pure carbon steel if it contains a sufficient amount of P. On hightemperature tempering (650°C), the grain boundaries are mainly enriched with C, while P then gets distributed uniformly throughout the grain volume. Low-temperature tempering, on the other hand, causes the grain boundaries to be enriched with P, which leads to some decrease in the internal friction background level: this may be associated with the displacement of part of C atoms from the boundary zones into the grain in terior owing to the intensified adsorption of P. The attendant increase in the number of dislocation points leads to a decrease in the internal friction background level. After such tempering the steel assumes a brittle state with enhanced proneness to intergranular fracture, which is associated with the decrease in the surface energy of grain boundaries owing to the adsorption of P and the concomitant facilitation of the formation and development of intercrystalline cracks. Reheating to 650°C again restricts the intercrystalline adsorption of P and increases the concentration of C in

Card 2/3

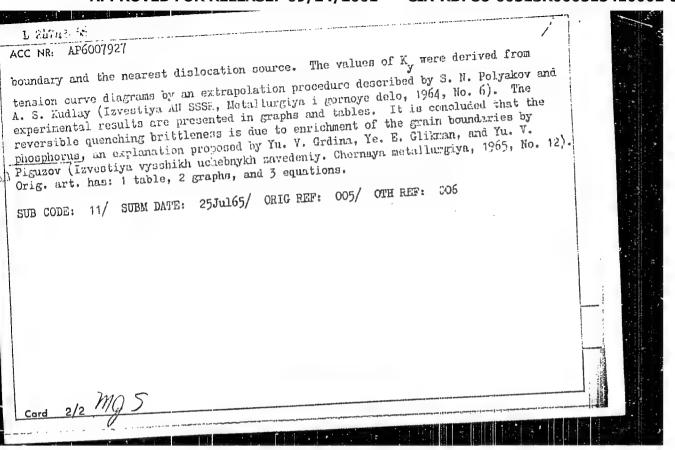


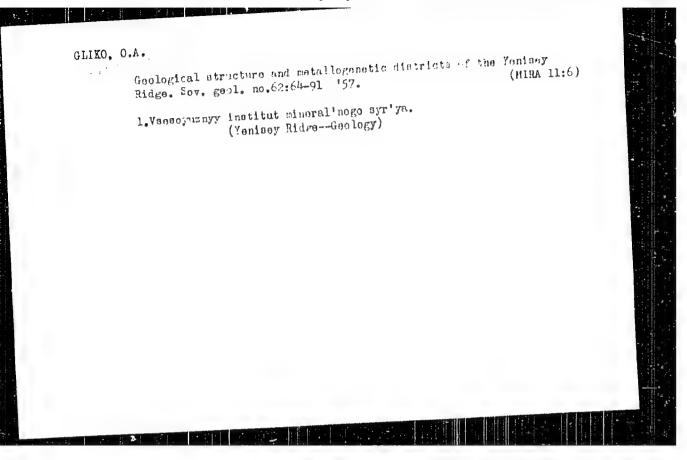


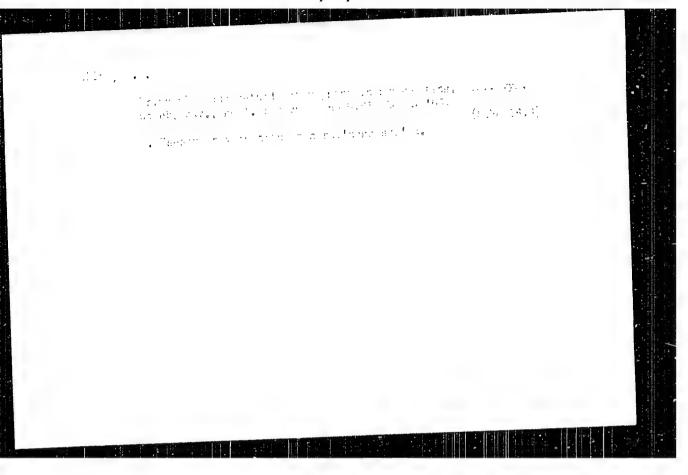
I. 24743-66 EWT(m)/EMP(w)/EMA(d)/T/EWP(t) IJP(c) JD/JH ACC NR: AP6007927 SOURCE CODE: UR/0148/66/C00/002/0115/0118 AUTHORS: Grdina, Yu. V.; Glikman, Ye. E.	
AP600/92/	
AUTHORS: Grdina, Yu. V.; Glikman, Ye. E.	
ORG: Siberian Metallurgical Institute (Sibirskiy metallurgioneskiy institute)	
TITLE: The relation between dislocation blocking by impurities within and on the boundaries of crystal grains and the critical temperature of brittleness	
SOURCE: IVUZ. Chernava metallurgiya, no. 2, 1966, 115-118	
TOPIC TAGS: metal test, crystal dislocation phenomena, carbon steel, aluminum,	1
carbon, phosphorus, brattleness, crystal impurity	A second
ABSTRACT: This investigation was conducted to study the relationship between impurities dislocations and the critical temperature of brittleness in several low carbon steels. All alloys were decxidized with 0.1% aluminum, hence the principal carbon steels. The specimens were quenched at 650550C and were blocking impurity was carbon. The specimental results are presented in terms of the	
subsequently cooled in water. The experimental todays	
constant K_{r} $K_{r} = \sigma_{0} t^{l/2}$	
which is assumed to be a measure of the tension required to unblock a dislocation on the grain boundaries. Here, $\sigma_{\rm p}$ is the tension necessary for the removal of a distance the grain	
Location from the impurity atmosphere, and ℓ is the distance between the grain	
ind: 669.011.7	
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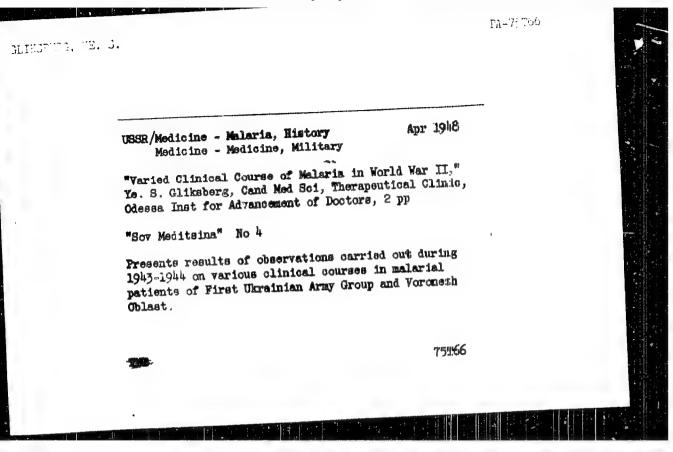






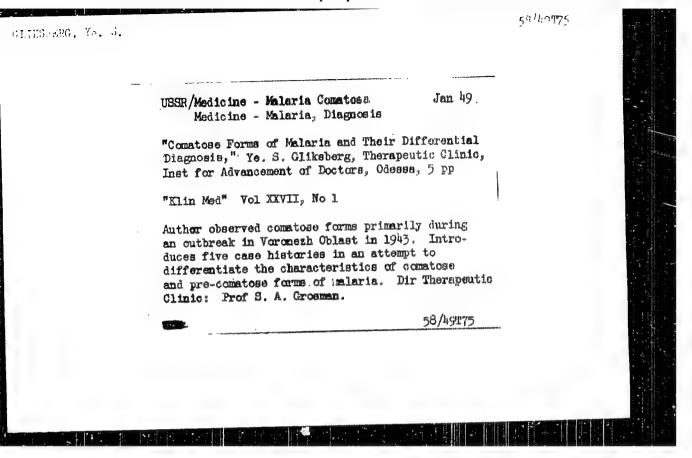
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USSR/Heran and Animal Physiology - Pland Circulation.

The Vessels.

Abe Jour : Ref Zhur Biol., No 3, 1959, 12827

Acthor : Glikeberg, Ye.8

That : Ukrainian Scientific Research Institute of Clinical Medicine

Title : Differential Diagnosis of Thromboenbolic Processes and Multiple Thrombougitis

Orig Pub : Macerialy po obsern naucha. inform. Ukr. n.-1. in-t kindich. meditsiny, 1957, vyp. 1, 61-05

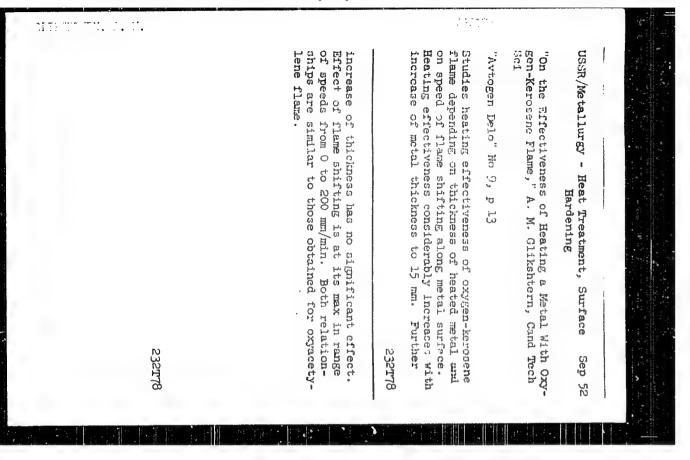
Abstract : Ho abstract.

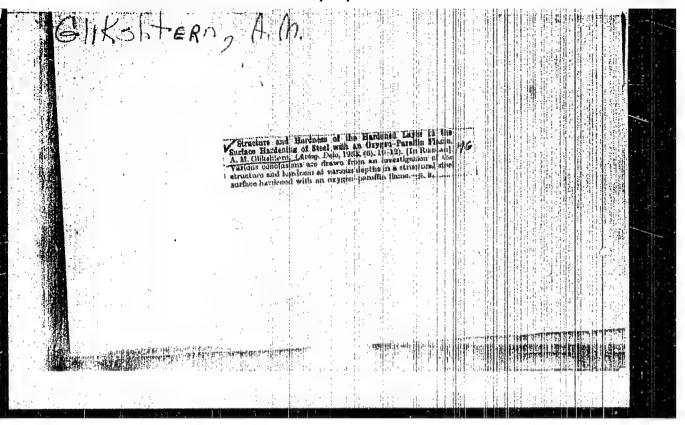
Card 1/1

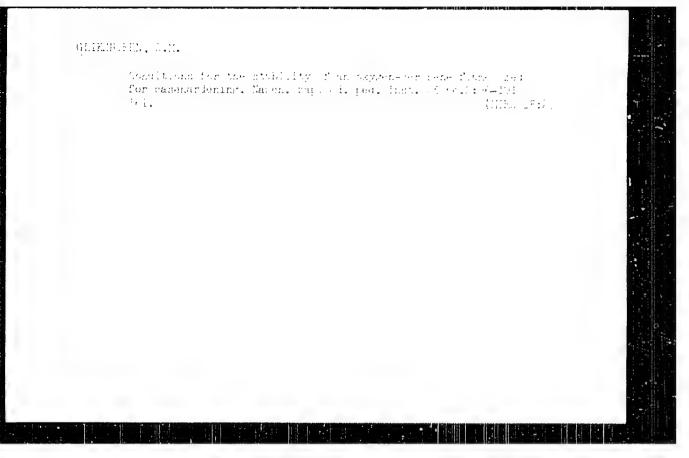
- 58 -

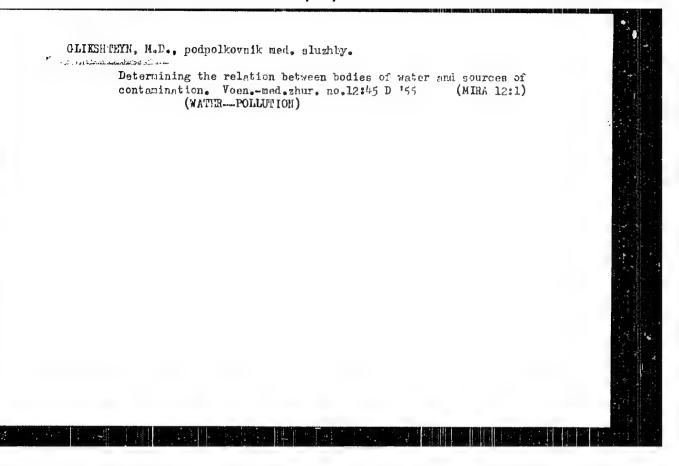
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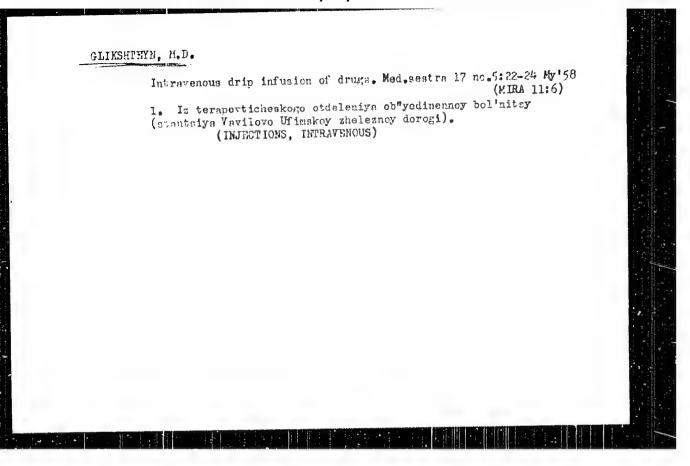
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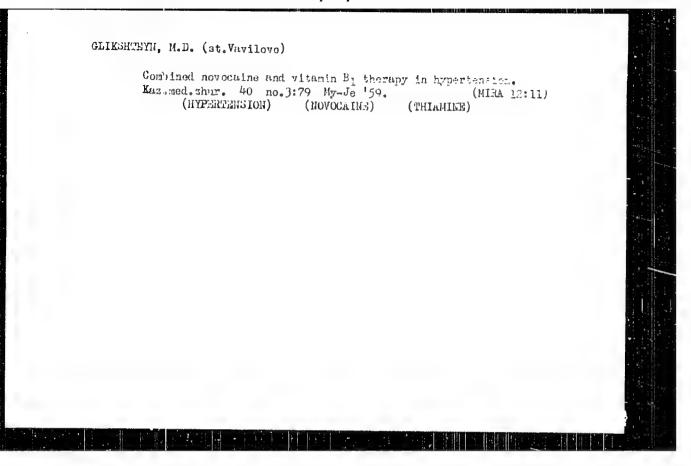












GLIESHTEYN, M.D.

Some peculiarities of postvaccinal sciences in bircellosis. Kaz.

mod. zhur. no. 4:60-61 J1-Ag '60. (MIMA 13:8)

1. Iz Ob"yedinennoy zheleznodorozhnoy bol'nitsy st. Vavilovo
(nachal'nik - V.D. Aref'yova) Ufimskoy zheleznoy derogi.

(BRUCELLOSIS)

ACC NR: AP7007062 SOURCE CODE: UR/0365/66/002/003/0375/0375 AUTHOR: Trifel', M. S.; Glikshtoyn, Ye. D.

TITLE: Conference on the protection of hydrotechnical installations

SOURCE: Zashchita metallov, v. 2, no. 3, 1966, 375

TOPIC TAGS: corrosion resistance, corrosion protection, scientific conference, corrosion rate, corrosion inhibitor, surface active agent, protective coating, hydroelectric power plant SUB CODE: 11

ABSTRACT: The VSNTO (All-Union Council of Scientific and Technical Societies), AzSMTO (Azerbaydzhan Council of Scientific and Technical Societies), the "Gidromorneft" institute and the Volga GES (Hydroelectric Power Station) imeni V. I. Lenin held an interdepartmental scientific and technical conference to generalize domestic experience on the protection of the netals in hydrotechnical installations in fresh waters from corrosion. This conference

Corrosion of hydrotechnical installations is most intensive in the underwater zone and has a periodic character, sharply dying out in winter but intensifying in summer. The average corrosion rate of metal specimens at the Volga GES reaches 0.4 mm/year but in corrosion pits it amounts to 2.53 mm/year.

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ACC NR: AP7007062

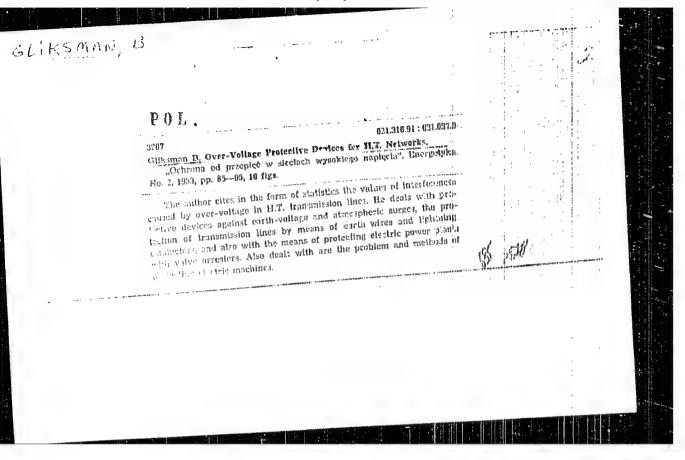
A unique method providing the most effective prevention of corrosion in underwater zone and not requiring systematic repaintings is electrochemical protection. Ye. P. Shtern and V. F. Shabaldina (Volga GES) presented the results of the two-year operation of cathodic protection which indicated the exceedingly high effectiveness of this method.

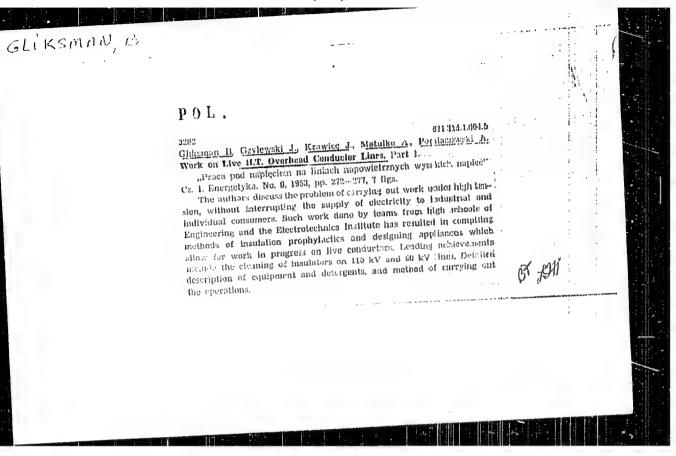
Data were presented on new paint materials which permit a considerable increase in protection with the aid of coatings; results were presented on the studies of the mechanism of action and the effectiveness of operation of zincontaining protective paints and paints which have special inhibitors and surface-active agents in their composition and can be applied on wet metal surfaces.

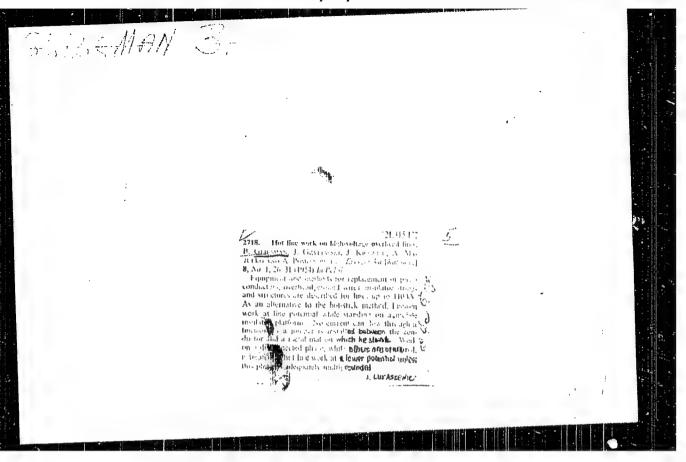
Questions of the possibility of preventing cavitation corrosion failures of turbine blades and finishes by using new cavitation steels as well as with the aid of electrochemical protection were discussed in detail.

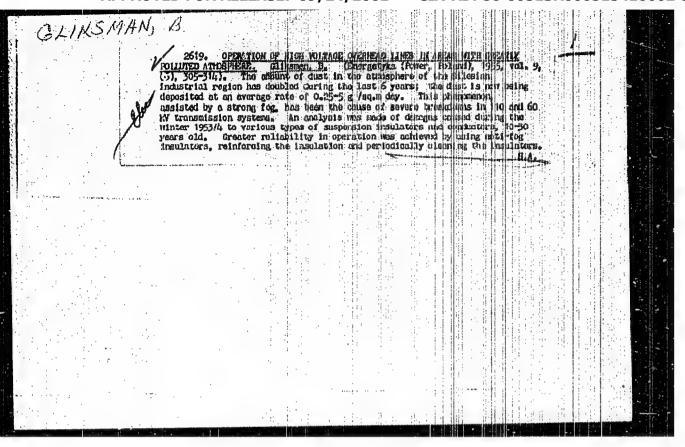
A developing program of works in the introduction of highly effective methods of corrosion protection in the operation of hydrotechnical installations was outlined in a conference resolution adopted jointly with representatives of the Ministry of Power Engineering and Electrification USSR and other interested departments. [JPRS: 36,902]

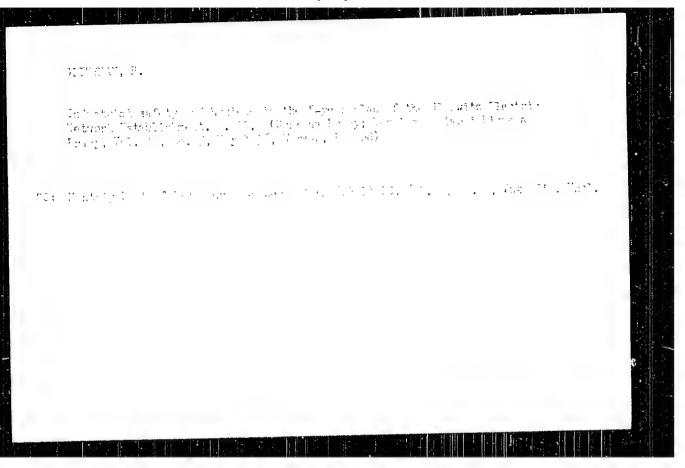
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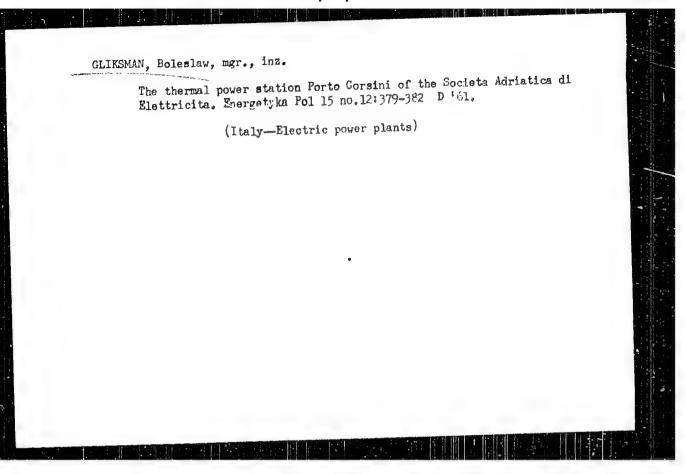


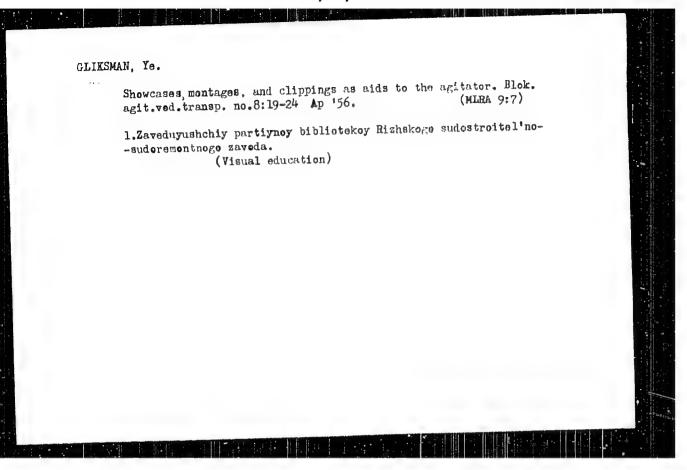


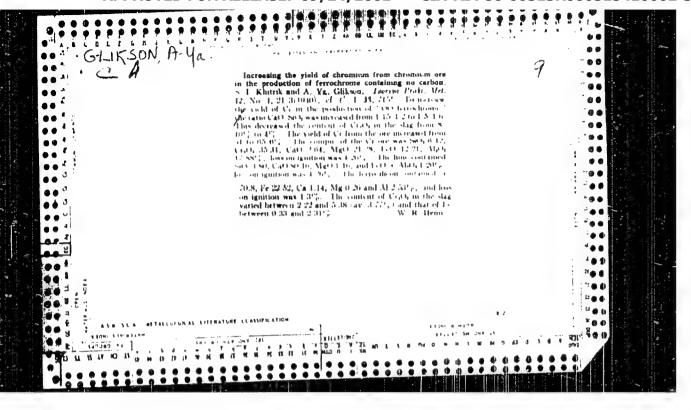
Repair and exploitation in establishments of electric networks in the Soviet Union. p. 39.

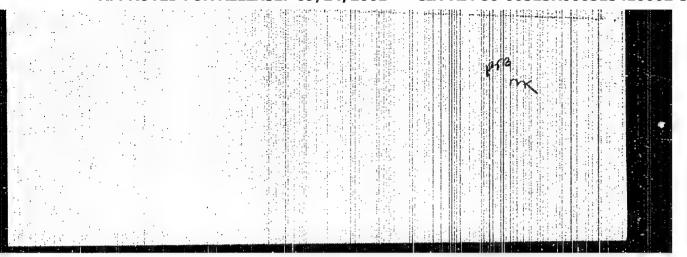
MYRGETYKA. (Ministerstwo Gornictwa i Energetyki oraz Stowernyszenia Elektrykow Polskich) Bytom, Foland Vol. 13, no. 2, Feb. 1959.

Monthly list of Past European Accessions Index (ERAI), LC, Vol. 8, no. 6, June 1959 uncla.











ALEKSEYEV, A.F.; BORISENKO, A.P.; GLIKSON, V.I.; GROMCVA, N.F.; KRASOVSKAYA,
A.I.; NOVIKOVA, N.N.; OVCHAROVA, A.I.; KHVOYNIK, P.I.; CHURAKOV, V.P.;
SHASTITKO, V.M.; GEORGIYEV, Ye.S., red.; SHIL'DKRUT, V.A., rod.;
LEVCHUK, K.V., red.; LEKANOVA, I.S., tekhn.red.

[Prices on the world capitalistic market; a handbook] TSeny mirovogo kapitalisticheskogo rynka; spravochnik. Moskva, Vneshtorgizdat, 1958. 391 p. (MIRA 12:7)

 Moscow. Nauchno-issledovatel'skiy kon"yunkturnyy institut. (Prices)

GLIMBOTSKIY, Ye.P., agronom

Mechanica: ventilation of oilseeds in oil mills of the Ukrainian Office of Vegetable Oils and Fats. Masl.-zhir.prom. 20 no.4:7-8
155.

1. Ukrglavzhirmaslo.

(Cilseeds)

GLIMAOTSKIY, Ye.P., agronom.

For high yields and oil content of sunflower seeds. Masl.-zhir. pron. 23 no.5:9-10 '57. (MIRA 10:5)

1. Urcglavraszhirmaslo. (Sunflower seed)

